

SERVICE
MANUAL

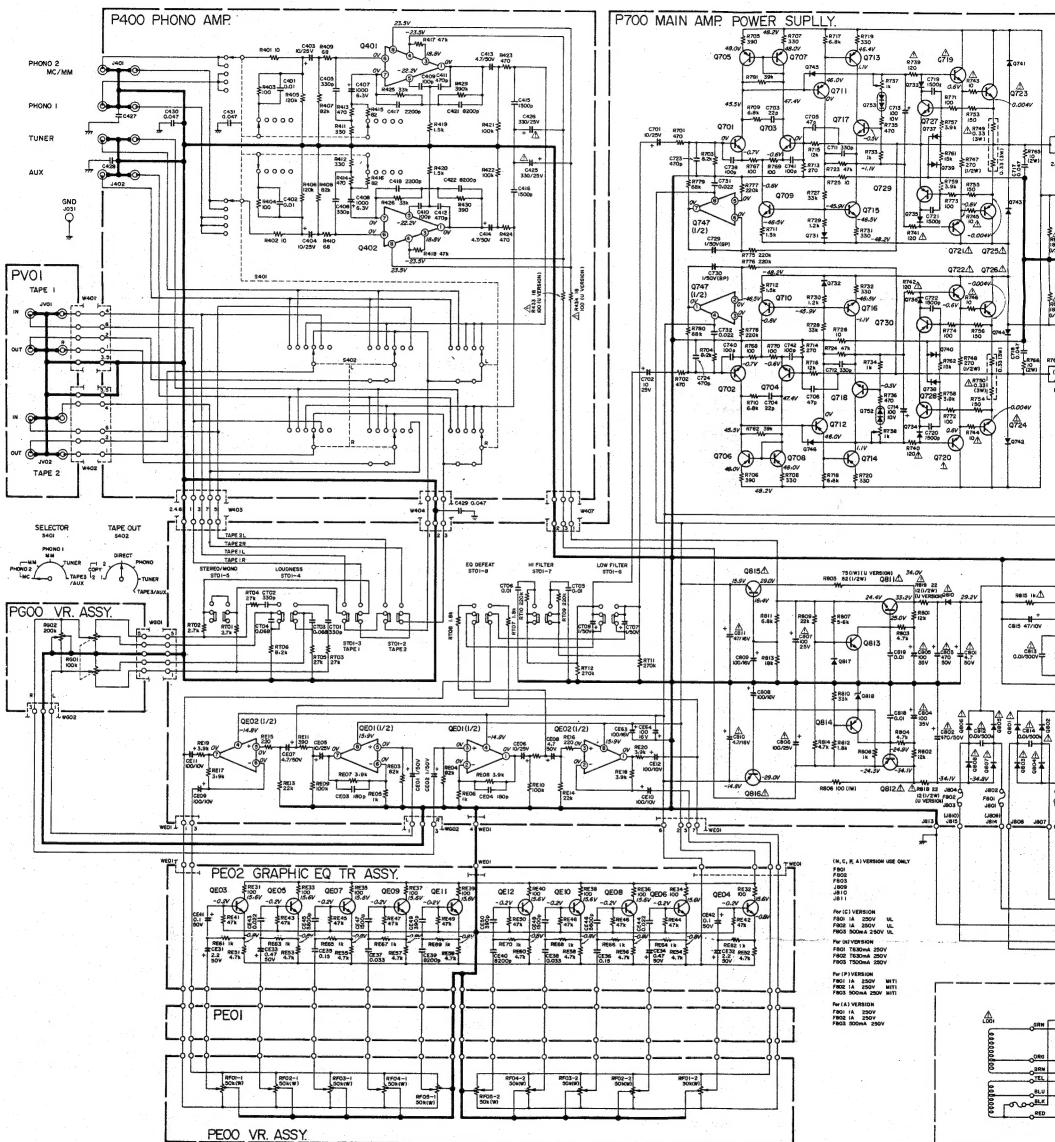
PM 550DC

marantz.®

model **PM550DC**

Stereo Console Amplifier

8. SCHEMATIC DIAGRAM



Note on safety: The parts marked with \triangle are important parts on the safety. Please use the parts having the designated parts number without fail.

Components and wiring are subject to change for modification with

MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, MARANTZ Company has created the ultimate in stereo sound. Only original MARANTZ parts can insure that your MARANTZ product will continue to perform to the specifications for which it is famous.

Parts for your MARANTZ stereo are generally available within 72 hours throughout the nation via a toll-free line to our National Parts Depot in California. The sales professionals who take your call immediately refer to their own desk top computer terminal and can quickly determine the availability and price information you require. If, for some reason, your order should exceed our available stock, we usually can instantly provide an alternate replacement part or current delivery information. When the order is placed and confirmed, the computer simultaneously generates "hard copy" orders at the distribution center. As hard copies come directly from the computer to the national parts depot, your requested stock is assembled and prepared for shipment and placed on the first available carrier for delivery to you.

ORDERING PARTS

Phone orders will eliminate mail delays, and we encourage the use of this method. If you order by mail, use MARANTZ parts order forms which are available from our National Parts Depot located at the following address:

SUPERSCOPE NATIONAL PARTS DEPARTMENT
20525 Nordhoff Street
Chatsworth, California 91311
Phone: 1-800-423-5108
1-213-998-9333

The following information must be supplied to eliminate delays in processing your order:

1. Complete address.
2. Complete part numbers.
3. Complete description of parts.
4. Model number for which part is required (indicate MARANTZ).
5. Account number (for account customers only).

Direct consumers will be provided with the current retail price quotation on available parts in order to advise them of the cost of the parts and shipping.

OVERSEAS PARTS ORDERING

Parts may also be ordered from the following overseas addresses:

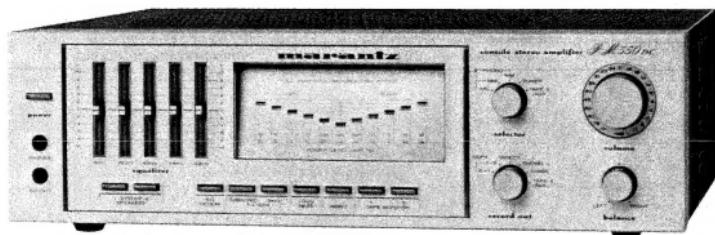
U.S.A.	CANADA	AUSTRALIA	JAPAN
Marantz Company, Inc. National Service Dept. P.O. Box 577 Chatsworth, CA 91311 U.S.A.	Superscope Canada, Ltd. 3710 Nashua Drive Mississauga Ontario, Canada L4V1M5	Marantz Australia 32 Cross Street Brookvale, NSW 2100 Australia	Marantz Japan, Inc. 3622 Kamitsuruma Sagamihara-shi Kanagawa, Japan

EUROPE			
Marantz Europe S.A. 326 Avenue Louise Bte 32 1050 Brussels Belgium	Marantz France 4 rue Bernard Palissy 92600 Asnieres France	Marantz Audio U.K., Ltd. 193 London Road Staines, Middlesex United Kingdom	Marantz Germany GMBH Max-Planck-Strasse 22 6072 Dreieich West Germany
Marantz Belgium 45 rue Auguste Van Zande 1080 Brussels Belgium	Marantz Svenska A.B. Frantzengatan 6 10425 Stockholm Sweden	Marantz Norske A.S. Refstadalleen 13 Oslo 5 Norway	

All of the above locations are fully equipped to take care of your total service needs. Because various countries have differing configuration requirements, it is necessary that you contact the service facility in your particular country. In the event that there is no service location listed for your country, please contact the nearest facility for the necessary assistance.

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1. IDLING CURRENT ADJUSTMENT

Adjust R783 so that the voltage at TP1 is 8 mV 30 seconds after the power is turned on. Adjust R784 so that the voltage at TP2 is the same as above.

These values are for estimated adjustments. The actual voltage when the unit is warmed up should be 12 mV, thus the idling current is about 36 mV.

2. LED POWER LEVEL ADJUSTMENT

Apply a sine wave signal of 1 kHz to the AUX jacks and adjust so that the output voltage is 20V with a load of 8Ω.

Adjust RX07 so that only L channel level LED (QX17) of 8Ω, 100W goes off. Adjust RX08 for the R channel. Confirm that the QX17 and QX18 light up when the output voltage slightly exceeds 20V.

Table 1. Test Equipment Required for Servicing

Item	Manufacturer and Model No.	Use
Distortion Analyzer Audio Oscillator AC Voltmeter	Sound Technology Model 1700B	Distortion Measurements Sinewave and squarewave signal source voltage measurements (AC)
Oscilloscope	Tektronix Model T932 Philips Model 3232	Waveform analysis and trouble shooting and ASO alignment
Circuit Tester		Trouble shooting
DC Voltmeter	Fluke Model 8000 "Digital" Simpson Model 313, Triplet Model 801	Voltage measurements (DC)
AC Wattmeter	Simpson Model 1379	Monitors primary power to amplifier
AC Ammeter	Commercial Grade (1 ~ 10A)	Monitors amplifier output under short circuit condition
Line Voltmeter	Simpson Model 1359	Monitors potential of primary power to amplifier
Variable Autotransformer	Superior Electronic Co., Powerset Model 116B-10A	Adjusts level of primary power to amplifier
Shorting Plug	Use phono plug with 600 ohm across center pin and shell	Shorts amplifier input to eliminate noise pickup
Output Load (8 ohms, ±0.5% 100W)	Commercial Grade	Provides 8-ohm load for amplifier output termination
Output Load (4 ohms, ±0.5% 100W)	Commercial Grade	Provides 4-ohm load for amplifier output termination
Output Load Capacitor (0.5 mfd)	Mylar	Provides capacitive load for instability checks
AC Power Control Box	Optional Item. Fabricate in accordance with Figure 1	Monitors and controls primary power for amplifier
Amplifier Output Load Box	Optional Item. Fabricate in accordance with Figure 2	Provides various amplifier loads and can monitor shorted output

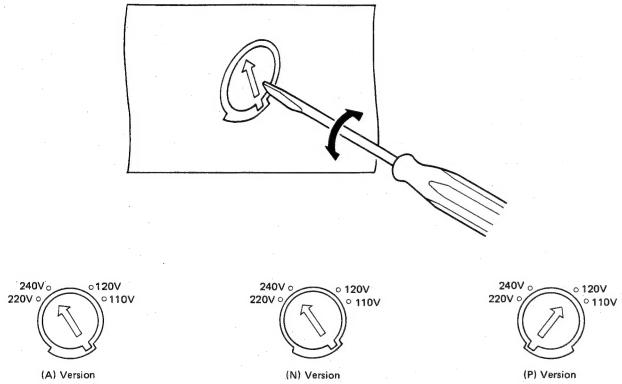
3. VOLTAGE CONVERSION

• EUROPEAN MODEL ONLY

To convert the unit to a different power source voltage, change the position as illustrated in the drawing below.

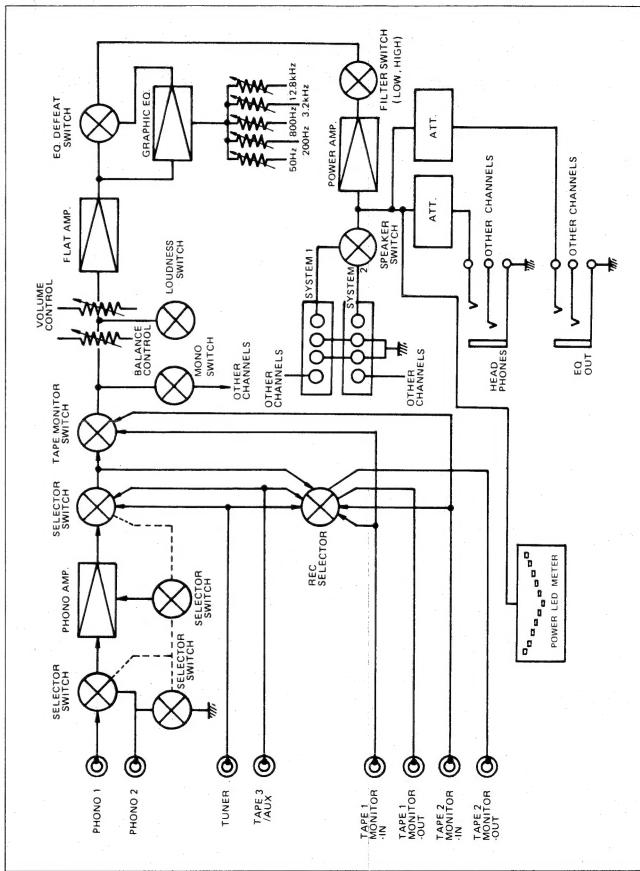
CAUTION
DISCONNECT POWER SUPPLY CORD FROM AC OUTLET BEFORE CONVERTING VOLTAGE.

Voltage Conversion Chart



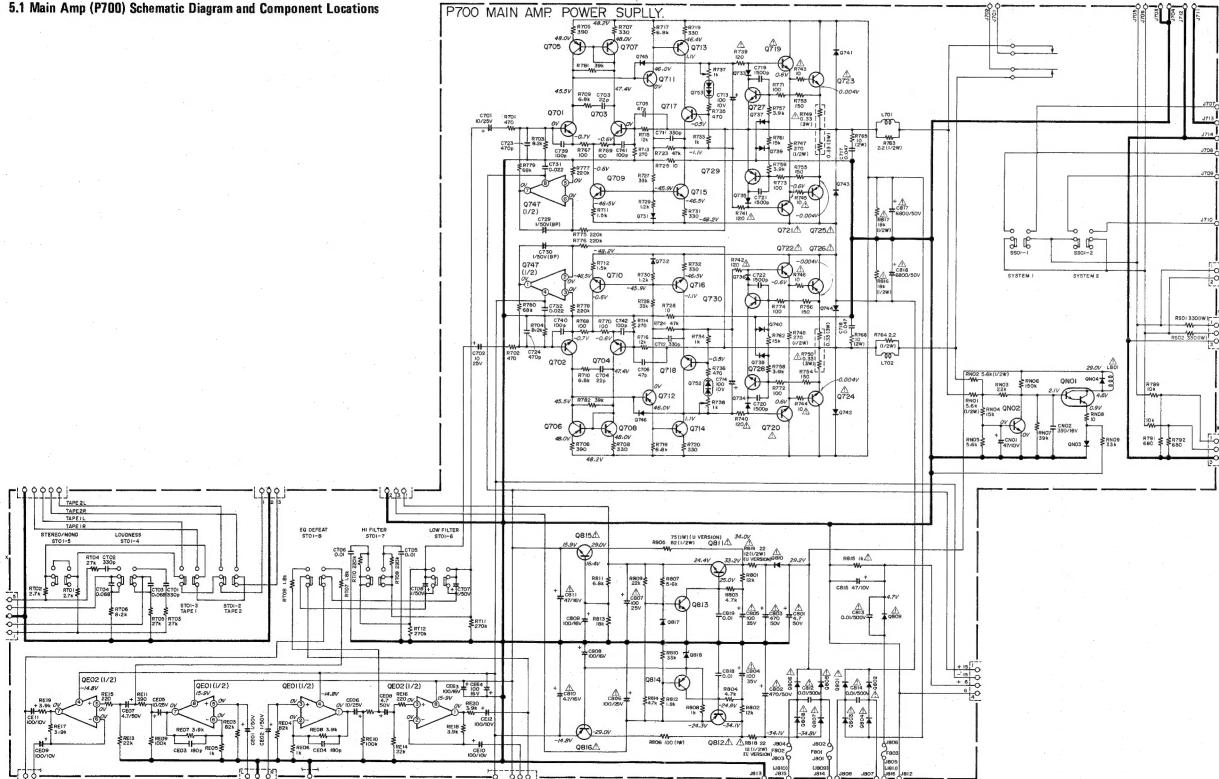
Note on safety: The parts marked with \triangle are important parts on the safety. Please use the parts having the designated parts number without fail.

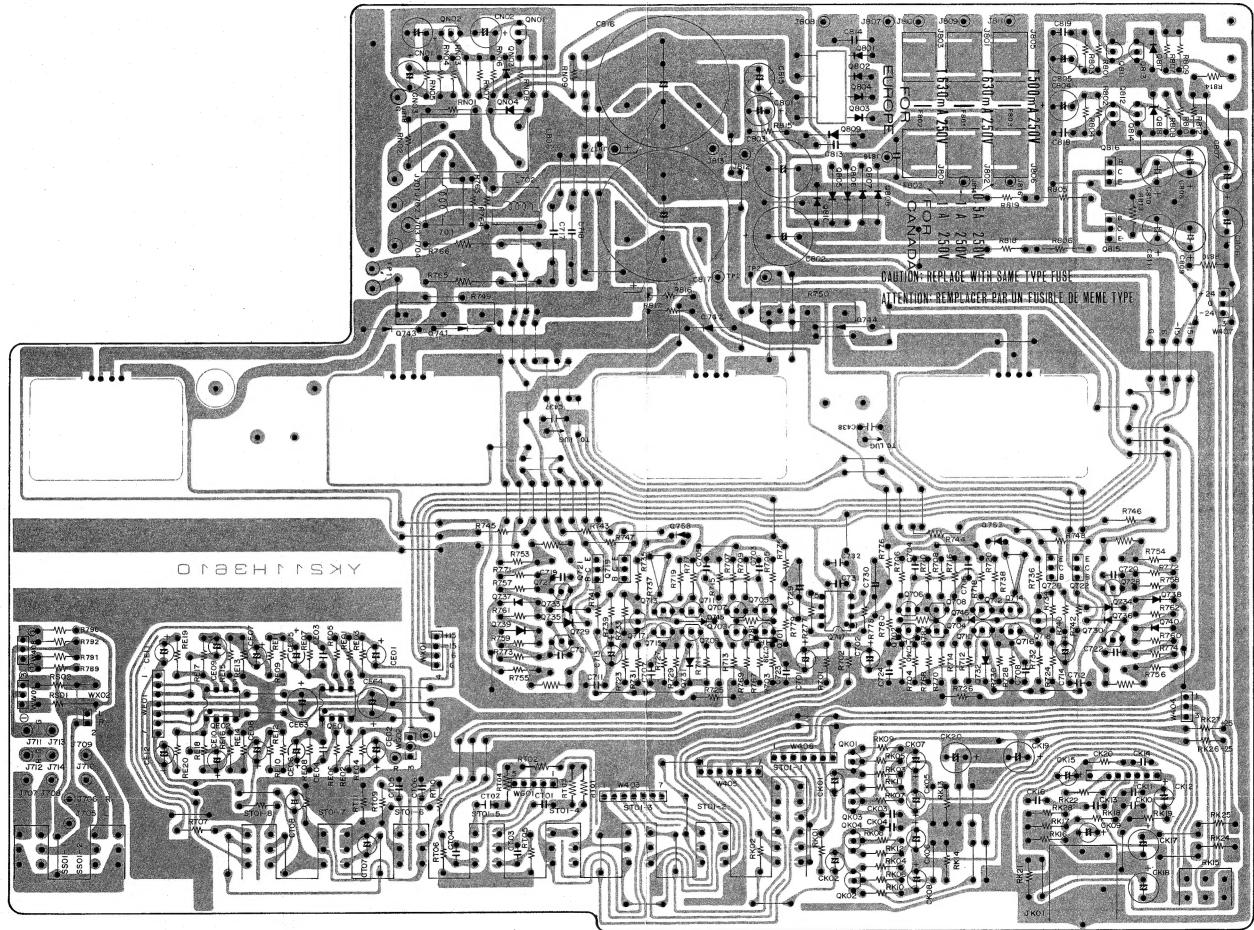
4. BLOCK DIAGRAM



5. DIAGRAM AND COMPOUND LOCATIONS

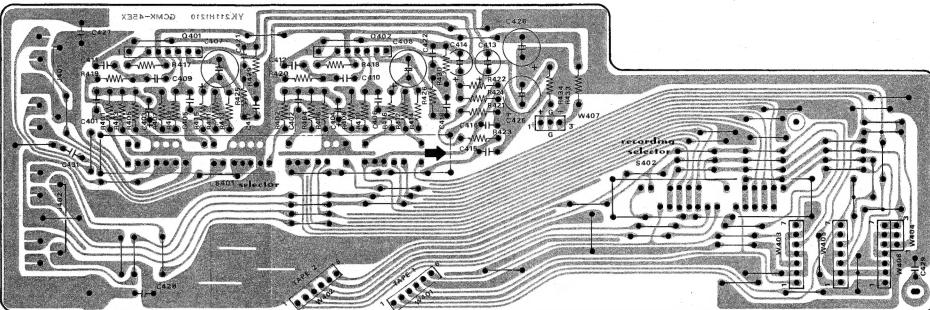
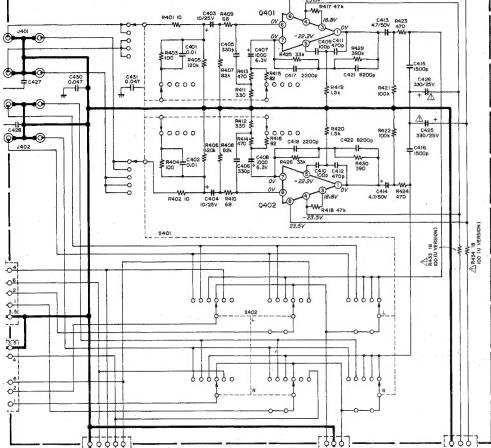
5.1 Main Amp (P700) Schematic Diagram and Component Locations





5.2 Phono Amp (P400) Schematic Diagram and Component Locations

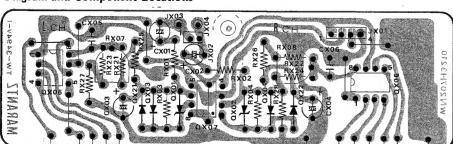
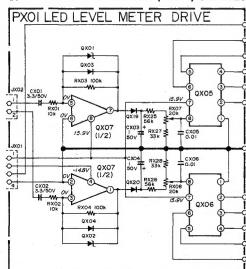
P400 PHONO AMP



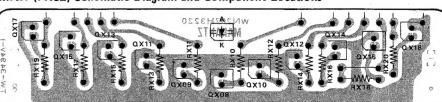
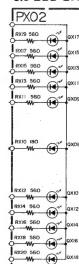
5.3 Tape In/Out (PV01) Schematic Diagram and Component Locations



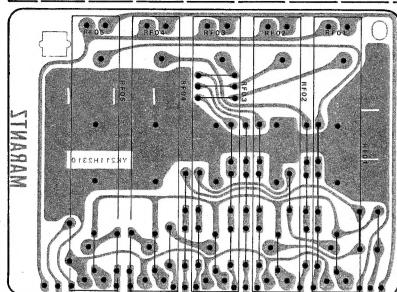
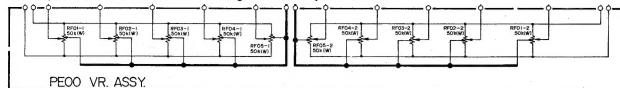
5.4 LED Level Meter Drive (PX01) Schematic Diagram and Component Locations



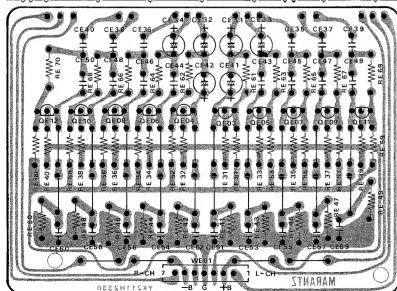
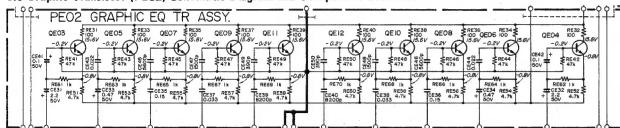
5.5 LED Level Meter (PX02) Schematic Diagram and Component Locations



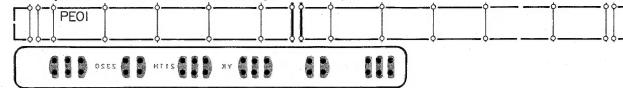
5.6 Graphic Volume (PE00) Schematic Diagram and Component Locations



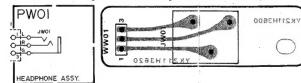
5.8 Graphic Transistor (PE02) Schematic Diagram and Component Locations



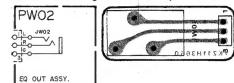
5.7 Graphic Connection (PE01) Schematic Diagram and Component Locations



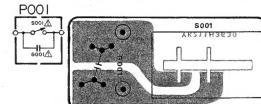
5.9 Head Phone (PW01)
Schematic Diagram and Component Locations



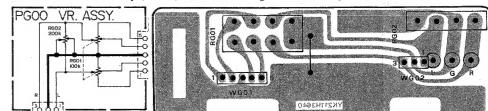
5.10 EQ Out (PW02)
Schematic Diagram and Component Locations



5.11 Power Switch (P001)
Schematic Diagram and Component Locations

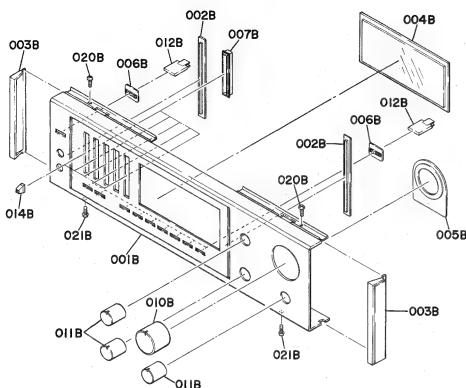


5.12 Volume Assembly (PG00) Schematic Diagram and Component Locations

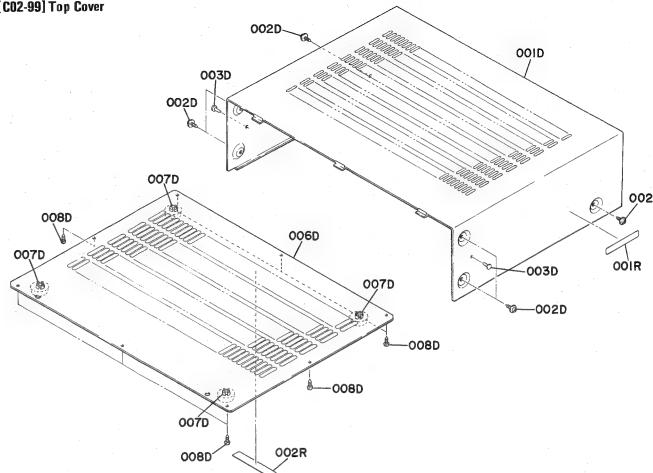


6. EXPLODED VIEWS AND PARTS LIST

[C01-99] Front Panel



[C02-99] Top Cover



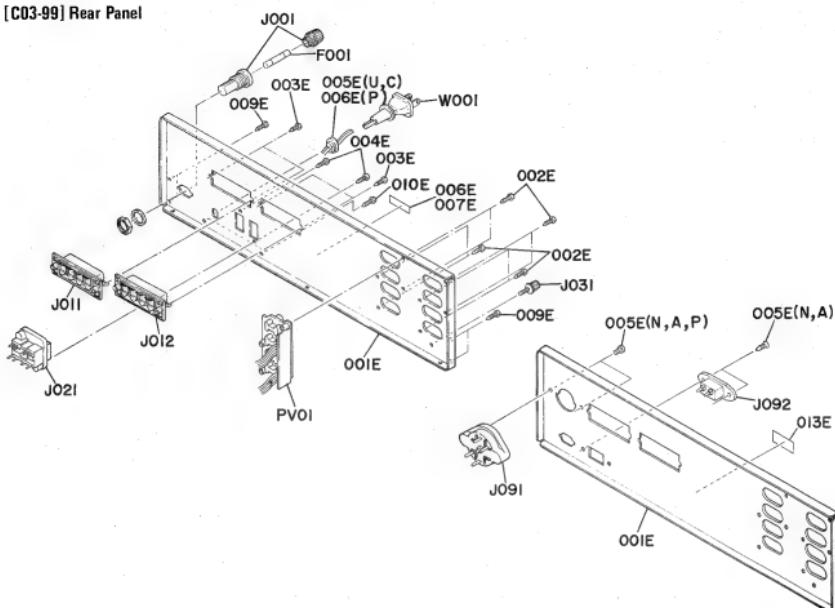
REF. DESIG.	Q'TY	U	C	N	A	P	PART NO.	DESCRIPTION
A	1	1	1	1	1	1	211H063400	Front Panel Assembly
001B	1	1	1	1	1	1	211H063010	Exutcheon, Front Panel
002B	2	2	2	2	2	2	211H063020	Exutcheon
003B	2	2	2	2	2	2	211H067010	Cap, Panel Side
004B	1	1	1	1	1	1	211H158010	Window, Power LED
005B	10	10	10	10	10	10	208H063020	Exutcheon, Volume
006B	10	10	10	10	10	10	208H063030	Bushing, Push Switch
007B	5	5	5	5	5	5	2123259020	Bushing, Slide Volume

REF. DESIG.	Q'TY	U	C	N	A	P	PART NO.	DESCRIPTION
010B	1	1	1	1	1	1	208H154010	Knob, Volume
011B	3	3	3	3	3	3	208H154020	Knob, Rotary Switch
012B	10	10	10	10	10	10	208H154030	Knob, Push
014B	5	5	5	5	5	5	208H154050	Knob, Slide Volume
020B	2	2	2	2	2	2	5128030880	B.H. Tapped Screw B3 x 8
021B	2	2	2	2	2	2	5128030880	B.H. Tapped Screw B3 x 8

REF. DESIG.	Q'TY	U	C	N	A	P	PART NO.	DESCRIPTION
001D	1	1	1	1	1	1	211H257010	Lid, Top Cover
002D	6	6	6	6	6	6	5126940620	B.T. Screw
003D	2	2	2	2	2	2	2991259010	Bushing
006D	1	1	1	1	1	1	211H257020	Lid, Bottom Cover
007D	4	4	4	4	4	4	403H057010	Leg
008D	8	8	8	8	8	8	5128030880	B.H. Tapped Screw B3 x 8

REF. DESIG.	Q'TY	U	C	N	A	P	PART NO.	DESCRIPTION
001R	1	1	1	1	1	1	2932861010	Label
002R	1	1	1	1	1	1	2578861010	Label

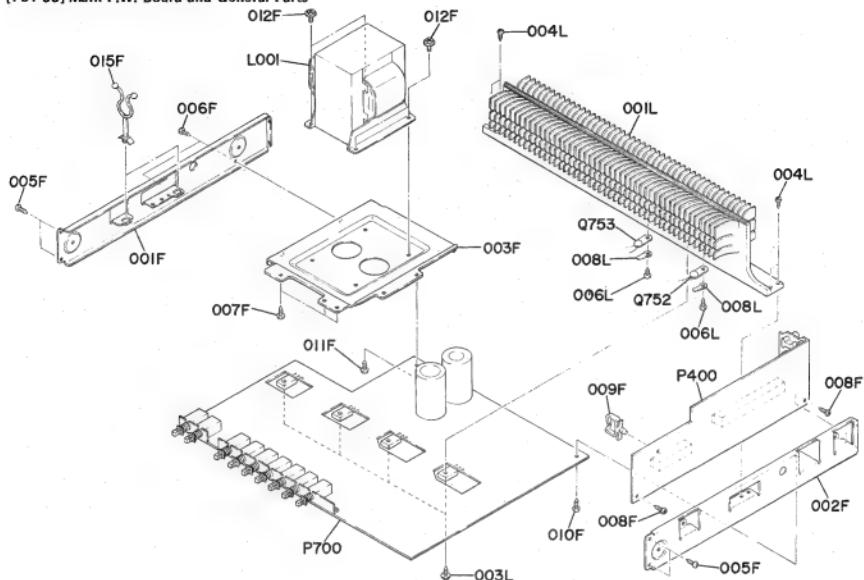
[C03-99] Rear Panel



REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
001E	1	1				211H160210	Bracket, Rear Panel
001E		1				211H160220	Bracket, Rear Panel
001E		1				211H160230	Bracket, Rear Panel
001E		1				211H160240	Bracket, Rear Panel
002E	8	8	8	8	8	51280308U0	B.H. Tapped Screw B3 x 8
003E	4	4	4	4	4	51280308U0	B.H. Tapped Screw B3 x 8
004E	2	2	2	2	2	51280308U0	B.H. Tapped Screw B3 x 8
005E	1	1				1455259030	Bushing, AC Cord
005E		2	2			51420308T0	O.C.H. Tapped Screw Ø3 x 8
005E		2	2	2		51280308U0	B.H. Tapped Screw B3 x 8
006E	1	1	1	1		2112265010	Indicator
006E			1			1455259030	Bushing, AC Cord
007E			1			2112265010	Indicator
009E	4	4	4	4	4	51280308U0	B.H. Tapped Screw B3 x 8
010E	2	2	2	2	2	51280308U0	B.H. Tapped Screw B3 x 8
013E			1			4581861010	Label

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
△F001	1	1				FS10350010	Fuse 3.5A 250V
△F001			1	1		FS10125800	Fuse 1.25A 250V
△F001				1		FS10350030	Fuse 3.5A 250V
△J001	1					YJ08000310	Jack, Fuse Holder
△J001		1	1			YJ08000290	Jack, Fuse Holder
△J001			1	1		YJ08000300	Jack, Fuse Holder
J011	1	1	1	1	1	YT03040200	Terminal, System 1
J012	1	1	1	1	1	YT03040200	Terminal, System 2
△J021	1	1				YJ040000740	Jack, AC Outlet
△J021			1			YJ040000750	Jack, AC Outlet
J031	1	1	1	1	1	YL03010250	Terminal, GND
△J091		1	1	1	1	BY05080040	Voltage Selector
△J092			1	1		YP040000590	Plug, AC Inlet
△W001	1	1				YC01900070	A.C. Power Cord
△W001				1		YC01800190	A.C. Power Cord

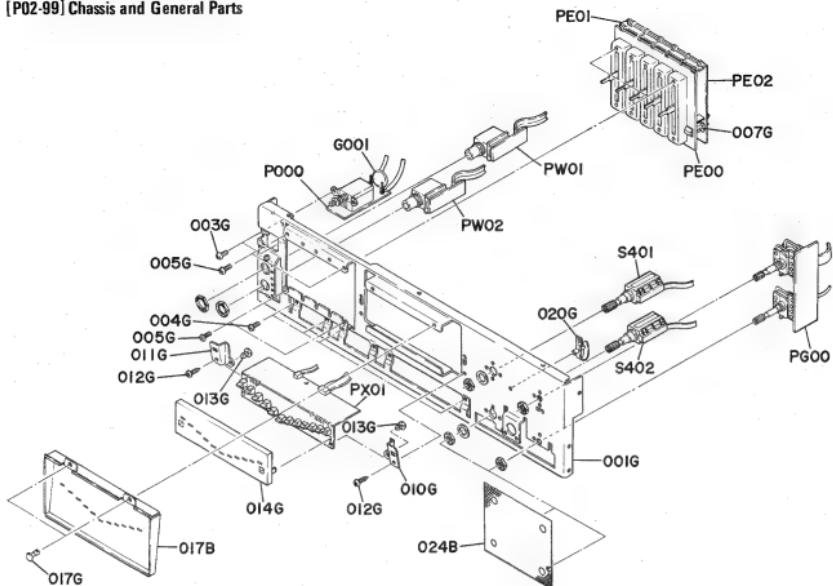
[P01-99] Main P.W. Board and General Parts



REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
001F	1	1	1	1	1	211H126010	Stay, (L)
002F	1	1	1	1	1	211H126020	Stay, (R)
003F	1	1	1	1	1	211H105010	Chassis, Transformer
005F	4	4	4	4	4	5128030880	B.H. Tapped Screw B3 x 8
006F	2	2	2	2	2	5128030880	B.H. Tapped Screw B3 x 8
007F	3	3	3	3	3	5128040880	B.H. Tapped Screw B4 x 8
008F	2	2	2	2	2	5128030880	B.H. Tapped Screw B3 x 8
009F	1	1	1	1	1	2886005050	Clamp
010F	1	1	1	1	1	5128030880	B.H. Tapped Screw B3 x 8
011F	1	1	1	1	1	5128030880	B.H. Tapped Screw B3 x 8
012F	4	4	4	4	4	5204041040	H. Head Bolt, S.F H4 x 10
015F	2	2	2	2	2	2139005010	Clamp

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
001L	1	1	1	1	1	211H267010	Heatsink
003L	4	4	4	4	4	5126031280	B.T. Screw B3 x 12
004L	4	4	4	4	4	5128030880	B.H. Tapped Screw B3 x 8
006L	2	2	2	2	2	5128030880	B.H. Tapped Screw B3 x 8
008L	2	2	2	2	2	62030049W0	Lug
△ L001		1	1	1	1	TS18614010	Power Transformer
△ L001			1	1	1	TS19616010	Power Transformer
Q752	1	1	1	1	1	HV00010120	Varistor, MV-11Y
Q753	1	1	1	1	1	HV00010120	Varistor, MV-11Y

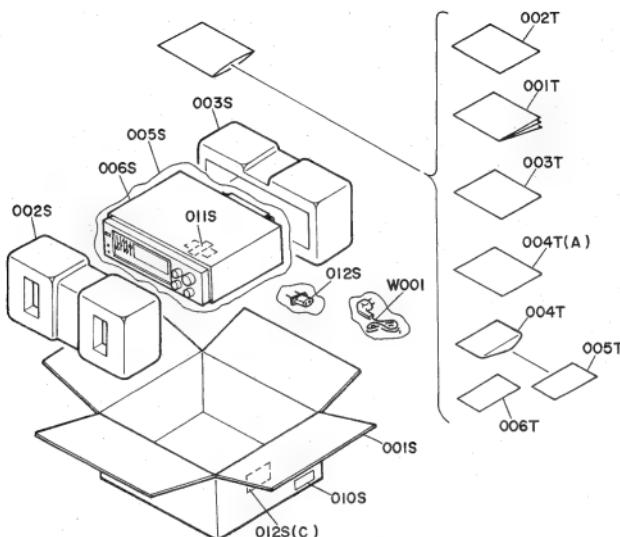
[P02-99] Chassis and General Parts



REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
017B	1	1	1	1	1	211H302010	Dial, Power Level
024B	1	1	1	1	1	211H303010	Mask
001G	1	1	1	1	1	211H160010	Bracket, Front Chassis
003G	2	2	2	2	2	51100306A9	B.H.M. Screw B3 x 6
004G	4	4	4	4	4	51100306A9	B.H.M. Screw B3 x 8
005G	4	4	4	4	4	51100306A9	B.H.M. Screw B3 x 6
007G	1	1	1	1	1	2139271020	Holder
010G	1	1	1	1	1	211H160020	Bracket, (R)
011G	1	1	1	1	1	211H160030	Bracket, (L)
012G	2	2	2	2	2	51280308B0	B.H. Tapped Screw B3 x 8
013G	2	2	2	2	2	2965005010	Clamper
014G	1	1	1	1	1	208H118010	Spacer
017G	2	2	2	2	2	2276005050	Clamper
020G	1	1	1	1	1	2137005030	Clamper

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
△G001	1	1				DK18103530	Ceramic Cap. 0.01 μ F 125V
△G001			1	1		DK18103840	Ceramic Cap. 0.01 μ F 400V
△G001					1	DK18103850	Ceramic Cap. 0.01 μ F 250V
S401	1	1	1	1	1	SR00050070	Rotary Switch
S402	1	1	1	1	1	SR00060020	Rotary Switch

[H01-99] Packing Materials



REF. DESIG.	Q'TY				PART NO.	DESCRIPTION
	U	C	N	A		
001S	1	1			211HB01010	Packing Case
001S		1	1		211HB01020	Packing Case
001S			1		211HB01030	Packing Case
002S	1	1	1	1	211HB09010	Cushion, Front
003S	1	1	1	1	211HB09020	Cushion, Rear
005S	1	1	1	1	9090909040	Polyethylene Sheet
006S	1	1	1	1	2918107150	Sheet
010S	2				9526019010	Serial No. Card
010S		4			9526019020	Serial No. Card
010S			4		9526019060	Serial No. Card
010S				3	9526019030	Serial No. Card
011S		1			9526019050	Serial No. Card
012S		2		1	2731821010	Silicagel
012S					YJ04000240	Jack, AC Adaptor
012S					9510901020	Label

REF. DESIG.	Q'TY				PART NO.	DESCRIPTION
	U	C	N	A		
001T	1				211HB51010	Instructions
001T		1	1		211HB51310	Instructions
002T	1				211HB51020	Instructions
002T		1		1	211HB51220	Instructions
002T			1		211HB51320	Instructions
003T	1				2818854020	Guarantee Card
003T		1			2818854040	Guarantee Card
003T			1		211HB56010	Circuit Diagram
003T				1	2205851040	Instructions
003T					2818854010	Guarantee Card
004T	1				2225813010	Envelope
004T		1			2918813010	Envelope
004T			1		9631000090	Guarantee Card
005T		1			9630000180	Guarantee Card
006T		1			9650000050	S. Station Card
006T			1		9650000010	S. Station Card
△ W001					ZC01805030	A.C. Power Cord
△ W001					ZC02006030	A.C. Power Cord

ELECTRICAL PARTS LIST

REF. DESIG.	Q'TY				PART NO.	DESCRIPTION
	U	C	N	A	P	
P400	1	1	1	1	1	YK211H1210
	1	1	1	1	1	ZZ211H1210
						P400-PHONO AMP CIRCUIT BOARD
						P.W. Board, Phono Amp
						P.W. Board Assembly
						P400-CAPACITORS
C401	1	1	1	1	1	DF17103300
C402	1	1	1	1	1	DF17103300
C403	1	1	1	1	1	EA10602530
C404	1	1	1	1	1	EA10602530
C405	1	1	1	1	1	DK16331300
C406	1	1	1	1	1	DK16331300
C407	1	1	1	1	1	EA10800630
C408	1	1	1	1	1	EA10800630
C409	1	1	1	1	1	DK16101300
C410	1	1	1	1	1	DK16101300
C411	1	1	1	1	1	DK16471300
C412	1	1	1	1	1	DK16471300
C413	1	1	1	1	1	EA47505030
C414	1	1	1	1	1	EA47505030
C415	1	1	1	1	1	DF16152300
C416	1	1	1	1	1	DF16152300
C417	1	1	1	1	1	DF16222300
C418	1	1	1	1	1	DF16222300
C421	1	1	1	1	1	DF15822300
C422	1	1	1	1	1	DF15822300
△C425	1	1	1	1	1	EA33702530
△C426	1	1	1	1	1	EA33702530
C427	1	1	1	1	1	DK18473320
C428	1	1	1	1	1	DK18473320
C429	1	1	1	1	1	DK18473320
C430	1	1	1	1	1	DK18473320
C431	1	1	1	1	1	DK18473320
						P400-RESISTORS
						(All Resistors are ±5% & 1/4W)
R401	1	1	1	1	1	GD05100140
R402	1	1	1	1	1	GD05100140
R403	1	1	1	1	1	GD05100140
R404	1	1	1	1	1	GD05101440
R405	1	1	1	1	1	GD05124140
R406	1	1	1	1	1	GD05124140
R407	1	1	1	1	1	GD05823140
R408	1	1	1	1	1	GD05823140
R409	1	1	1	1	1	GD05880140
R410	1	1	1	1	1	GD05880140
R411	1	1	1	1	1	GD05331140
R412	1	1	1	1	1	GD05331140
R413	1	1	1	1	1	GD05471140
R414	1	1	1	1	1	GD05471140
R415	1	1	1	1	1	GD05820140
R416	1	1	1	1	1	GD05820140
R417	1	1	1	1	1	GD05473140
R418	1	1	1	1	1	GD05473140
R419	1	1	1	1	1	GD06152140
R420	1	1	1	1	1	GD06152140
R421	1	1	1	1	1	GD05104140
R422	1	1	1	1	1	GD05104140
R423	1	1	1	1	1	GD05471140
R424	1	1	1	1	1	GD05471140
R425	1	1	1	1	1	GD05331340
R426	1	1	1	1	1	GD05331340
R429	1	1	1	1	1	GD05394140
R430	1	1	1	1	1	GD05394140
△R433	1	1	1	1	1	GG05101140
△R434	1	1	1	1	1	GG05101140

REF. DESIG.	Q'TY				PART NO.	DESCRIPTION
	U	C	N	A	P	
Q401	1	1	1	1	1	HC10035010
	1	1	1	1	1	HC10035010
J401	1	1	1	1	1	YT02040260
	1	1	1	1	1	YT02040260
S401	1	1	1	1	1	SR00050070
	1	1	1	1	1	SR00060020
S403	1	1	1	1	1	SS08060020
	1	1	1	1	1	SS08060020
W401	1	1	1	1	1	YU06180260
	1	1	1	1	1	YU06160260
W403	1	1	1	1	1	YU07240260
	1	1	1	1	1	YU03060260
W407	1	1	1	1	1	YU03080240
	1	1	1	1	1	YU03180260
P700	1	1	1	1	1	YK211H3610
	1	1	1	1	1	YK211H3610
P700	1	1	1	1	1	YK211H3610
	1	1	1	1	1	YK211H8610
P700	1	1	1	1	1	YK211H7610
	1	1	1	1	1	YK211H6610
C701	1	1	1	1	1	EA10602530
	1	1	1	1	1	EA10602530
C702	1	1	1	1	1	EA10602530
	1	1	1	1	1	EA10602530
C703	1	1	1	1	1	DD15220300
	1	1	1	1	1	DD15220300
C704	1	1	1	1	1	DD15220300
	1	1	1	1	1	DD15470300
C705	1	1	1	1	1	DD15470300
	1	1	1	1	1	DD15470300
C706	1	1	1	1	1	DD15470300
	1	1	1	1	1	DD15470300
C711	1	1	1	1	1	DK16331300
	1	1	1	1	1	DK16331300
C712	1	1	1	1	1	DK16331300
	1	1	1	1	1	DK16331300
C713	1	1	1	1	1	EA10701030
	1	1	1	1	1	EA10701030
C714	1	1	1	1	1	EA10701030
	1	1	1	1	1	EA10701030
C717	1	1	1	1	1	DF17473520
	1	1	1	1	1	DF17473520
C718	1	1	1	1	1	DF17473520
	1	1	1	1	1	DF16152300
C719	1	1	1	1	1	DF16152300
	1	1	1	1	1	DF16152300
C720	1	1	1	1	1	DF16152300
	1	1	1	1	1	DF16152300
C721	1	1	1	1	1	DF16152300
	1	1	1	1	1	DF16152300
C722	1	1	1	1	1	DF16471300
	1	1	1	1	1	DF16471300
C723	1	1	1	1	1	DK16471300
	1	1	1	1	1	DK16471300
C724	1	1	1	1	1	DK16471300
	1	1	1	1	1	DK16471300
C725	1	1	1	1	1	EA22601030
	1	1	1	1	1	EA22601030
C726	1	1	1	1	1	EA22601030
	1	1	1	1	1	EA22601030
C727	1	1	1	1	1	EA22601030
	1	1	1	1	1	EA22601030
C728	1	1	1	1	1	EA22601030
	1	1	1	1	1	EA22601030
C729	1	1	1	1	1	EQ10505030
	1	1	1	1	1	EQ10505030
C730	1	1	1	1	1	EQ10505030
	1	1	1	1	1	EQ10505030
C731	1	1	1	1	1	DK18223320
	1	1	1	1	1	DK18223320
C732	1	1	1	1	1	DK18223320
	1	1	1	1	1	DK18223320
C733	1	1	1	1	1	EA47505030
	1	1	1	1	1	EA47505030
C734	1	1	1	1	1	EA47505030
	1	1	1	1	1	EA47505030
C735	1	1	1	1	1	EA47505030
	1	1	1	1	1	EA47505030
C736	1	1	1	1	1	EA47505030
	1	1	1	1	1	EA47505030
C737	1	1	1	1	1	DK18473320
	1	1	1	1	1	DK18473320
C738	1	1	1	1	1	DK18473320
	1	1	1	1	1	DK18473320
C739	1	1	1	1	1	DD15390300
	1	1	1	1	1	DD15390300
C740	1	1	1	1	1	DD15390300

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
△ C801	1	1	1	1	1	EA47505030	Elect. $4.7\mu F$ 50V
△ C802	1	1	1	1	1	EA47705030	Elect. $470\mu F$ 50V
△ C803	1	1	1	1	1	EA47705030	Elect. $470\mu F$ 50V
△ C804	1	1	1	1	1	EA10703530	Elect. $100\mu F$ 35V
△ C805	1	1	1	1	1	EA10703530	Elect. $100\mu F$ 35V
△ C806	1	1	1	1	1	EA10702530	Elect. $100\mu F$ 25V
△ C807	1	1	1	1	1	EA10702530	Elect. $100\mu F$ 25V
C808	1	1	1	1	1	EA10701630	Elect. $100\mu F$ 16V
C809	1	1	1	1	1	EA10701630	Elect. $100\mu F$ 16V
△ C810	1	1	1	1	1	EA47601630	Elect. $47\mu F$ 16V
△ C811	1	1	1	1	1	EA47601630	Elect. $47\mu F$ 16V
△ C812	1	1	1	1	1	DK18103560	Ceramic $0.01\mu F$
△ C813	1	1	1	1	1	DK18103560	Ceramic $0.01\mu F$
△ C814	1	1	1	1	1	DK18103560	Ceramic $0.01\mu F$
C815	1	1	1	1	1	EA47601030	Elect. $47\mu F$ 10V
△ C816	1	1	1	1	1	E868805520	Elect. $6800\mu F$ 55V
△ C817	1	1	1	1	1	E868805520	Elect. $6800\mu F$ 55V
C818	1	1	1	1	1	DF17103300	Film $0.01\mu F$ $\pm 20\%$
C819	1	1	1	1	1	DF17103300	Film $0.01\mu F$ $\pm 20\%$
CE01	1	1	1	1	1	EA10505030	Elect. $1\mu F$ 50V
CE02	1	1	1	1	1	EA10505030	Elect. $1\mu F$ 50V
CE03	1	1	1	1	1	DK16181300	Ceramic $180\mu F$ $\pm 10\%$
CE04	1	1	1	1	1	DK16181300	Ceramic $180\mu F$ $\pm 10\%$
CE05	1	1	1	1	1	EA10602530	Elect. $10\mu F$ 25V
CE06	1	1	1	1	1	EA10602530	Elect. $10\mu F$ 25V
CE07	1	1	1	1	1	EA47505030	Elect. $4.7\mu F$ 50V
CE08	1	1	1	1	1	EA47505030	Elect. $4.7\mu F$ 50V
CE09	1	1	1	1	1	EA10701030	Elect. $100\mu F$ 10V
CE10	1	1	1	1	1	EA10701030	Elect. $100\mu F$ 10V
CE11	1	1	1	1	1	EA10701030	Elect. $100\mu F$ 10V
CE12	1	1	1	1	1	EA10701030	Elect. $100\mu F$ 10V
CE63	1	1	1	1	1	EA10701630	Elect. $100\mu F$ 16V
CE64	1	1	1	1	1	EA10701630	Elect. $100\mu F$ 16V
CN01	1	1	1	1	1	EA47601030	Elect. $47\mu F$ 10V
CN02	1	1	1	1	1	EA33701630	Elect. $330\mu F$ 16V
CT01	1	1	1	1	1	DK16221300	Ceramic $220\mu F$ $\pm 10\%$
CT02	1	1	1	1	1	DK16221300	Ceramic $220\mu F$ $\pm 10\%$
CT03	1	1	1	1	1	DF16683300	Film $0.068\mu F$ $\pm 10\%$
CT04	1	1	1	1	1	DF16683300	Film $0.068\mu F$ $\pm 10\%$
CT05	1	1	1	1	1	DF15822300	Film $8200\mu F$ $\pm 5\%$
CT06	1	1	1	1	1	DF15822300	Film $8200\mu F$ $\pm 5\%$
CT07	1	1	1	1	1	EA10505030	Elect. $1\mu F$ 50V
CT08	1	1	1	1	1	EA10505030	Elect. $1\mu F$ 50V
P700-RESISTORS							
(All Resistors are $\pm 5\%$ & $\frac{1}{4}W$)							
R701	1	1	1	1	1	GD05471140	470Ω
R702	1	1	1	1	1	GD05471140	470Ω
R703	1	1	1	1	1	GD05822140	8.2KΩ
R704	1	1	1	1	1	GD05822140	8.2KΩ
R705	1	1	1	1	1	GG05391140	390Ω
R706	1	1	1	1	1	GG05391140	390Ω
R707	1	1	1	1	1	GG05331140	330Ω
R708	1	1	1	1	1	GG05331140	330Ω
R709	1	1	1	1	1	GD05821140	820Ω
R710	1	1	1	1	1	GD05821140	820Ω

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
R711	1	1	1	1	1	GD05272140	2.7KΩ
R712	1	1	1	1	1	GD05272140	2.7KΩ
R713	1	1	1	1	1	GD05271140	270Ω
R714	1	1	1	1	1	GD05271140	270Ω
R715	1	1	1	1	1	GD05123140	12KΩ
R716	1	1	1	1	1	GD05123140	12KΩ
R717	1	1	1	1	1	GG05682140	6.8KΩ
R718	1	1	1	1	1	GG05682140	6.8KΩ
R719	1	1	1	1	1	GG05331140	330Ω
R720	1	1	1	1	1	GG05331140	330Ω
R723	1	1	1	1	1	GD05473140	47KΩ
R724	1	1	1	1	1	GD05473140	47KΩ
R725	1	1	1	1	1	GG05100140	10Ω
R726	1	1	1	1	1	GG05100140	10Ω
R727	1	1	1	1	1	GD05333140	33KΩ
R728	1	1	1	1	1	GD05333140	33KΩ
R729	1	1	1	1	1	GD05122140	1.2KΩ
R730	1	1	1	1	1	GD05122140	1.2KΩ
R731	1	1	1	1	1	GG05333140	330Ω
R732	1	1	1	1	1	GG05331140	330Ω
R733	1	1	1	1	1	GD05102140	1KΩ
△ R734	1	1	1	1	1	GD05102140	1KΩ
R735	1	1	1	1	1	GD05471140	470Ω
R736	1	1	1	1	1	GD05471140	470Ω
R737	1	1	1	1	1	RA01020110	1KΩ, Trimming
R738	1	1	1	1	1	RA01020110	1KΩ, Trimming
△ R739	1	1	1	1	1	RF05121140	120Ω, Fusible
△ R740	1	1	1	1	1	RF05121140	120Ω, Fusible
△ R741	1	1	1	1	1	RF05121140	120Ω, Fusible
△ R742	1	1	1	1	1	RF05121140	120Ω, Fusible
R743	1	1	1	1	1	RF05100120	10Ω, $\frac{1}{4}W$ Fusible
R744	1	1	1	1	1	RF05100120	10Ω, $\frac{1}{4}W$ Fusible
△ R745	1	1	1	1	1	RF05100120	10Ω, $\frac{1}{4}W$ Fusible
R746	1	1	1	1	1	RF05100120	10Ω, $\frac{1}{4}W$ Fusible
R747	1	1	1	1	1	GG05271120	270Ω, $\frac{1}{4}W$
R748	1	1	1	1	1	GG05271120	270Ω, $\frac{1}{4}W$
△ R749	1	1	1	1	1	BW10000010	0.33Ω, 3W x 2 Compo.
R750	1	1	1	1	1	BW10000010	0.33Ω, 3W x 2 Compo.
R753	1	1	1	1	1	GD05151140	150Ω
R754	1	1	1	1	1	GD05151140	150Ω
R755	1	1	1	1	1	GD05151140	150Ω
R756	1	1	1	1	1	GD05151140	150Ω
R757	1	1	1	1	1	GD05472140	4.7KΩ
R758	1	1	1	1	1	GD05472140	4.7KΩ
R759	1	1	1	1	1	GD05472140	4.7KΩ
R760	1	1	1	1	1	GD05472140	4.7KΩ
R761	1	1	1	1	1	GD05153140	15KΩ
R762	1	1	1	1	1	GD05153140	15KΩ
R763	1	1	1	1	1	RC10022120	2.2Ω $\pm 10\%$ $\frac{1}{4}W$
R764	1	1	1	1	1	RC10022120	2.2Ω $\pm 10\%$ $\frac{1}{4}W$
R765	1	1	1	1	1	GA05100020	10Ω 2W
R766	1	1	1	1	1	GA05100020	10Ω 2W
R767	1	1	1	1	1	GD05101140	100Ω
R768	1	1	1	1	1	GD05101140	100Ω
R769	1	1	1	1	1	GD05101140	100Ω
R770	1	1	1	1	1	GD05101140	100Ω
R771	1	1	1	1	1	GG05101140	100Ω
R772	1	1	1	1	1	GG05101140	100Ω
R773	1	1	1	1	1	GG05101140	100Ω
R774	1	1	1	1	1	GG05101140	100Ω

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
R775	1	1	1	1	1	GD05224140	220KΩ
R776	1	1	1	1	1	GD05224140	220KΩ
R777	1	1	1	1	1	GD05224140	220KΩ
R778	1	1	1	1	1	GD05224140	220KΩ
R779	1	1	1	1	1	GD05683140	68KΩ
R780	1	1	1	1	1	GD05683140	68KΩ
R781	1	1	1	1	1	GD05563140	56KΩ
R782	1	1	1	1	1	GD05563140	56KΩ
R789	1	1	1	1	1	GD05103140	10KΩ
R790	1	1	1	1	1	GD05103140	10KΩ
R791	1	1	1	1	1	GD05681140	680Ω
R792	1	1	1	1	1	GD05681140	680Ω
R801	1	1	1	1	1	GD05123140	12KΩ
R802	1	1	1	1	1	GD05123140	12KΩ
R803	1	1	1	1	1	GD05472140	4.7KΩ
R804	1	1	1	1	1	GD05472140	4.7KΩ
R805	1	1	1	1	1	GA05750100	750Ω
R806	1	1	1	1	1	GA05101010	100Ω
R807	1	1	1	1	1	GD05662140	5.6KΩ
R808	1	1	1	1	1	GG05102140	1KΩ
R809	1	1	1	1	1	GD05223140	22KΩ
R810	1	1	1	1	1	GD05323140	3.3KΩ
R811	1	1	1	1	1	GD05682140	6.8KΩ
R812	1	1	1	1	1	GD05182140	1.8KΩ
R813	1	1	1	1	1	GD05183140	18KΩ
R814	1	1	1	1	1	GD05472140	4.7KΩ
▲R815	1	1	1	1	1	GD05102140	1KΩ
▲R816	1	1	1	1	1	GG05183120	18KΩ
▲R817	1	1	1	1	1	GG05183120	18KΩ
▲R818	1	1	1	1	1	RF05120120	12Ω
▲R819	1	1	1	1	1	RF05120120	12Ω
RE01	1	1	1	1	1	GD05221140	220Ω
RE02	1	1	1	1	1	GD05221140	220Ω
RE03	1	1	1	1	1	GD05223140	82KΩ
RE04	1	1	1	1	1	GD05223140	82KΩ
RE05	1	1	1	1	1	GD05102140	1KΩ
RE06	1	1	1	1	1	GD05102140	1KΩ
RE07	1	1	1	1	1	GD05329120	3.9KΩ
RE08	1	1	1	1	1	GD05329120	3.9KΩ
RE09	1	1	1	1	1	GD05104140	100KΩ
RE10	1	1	1	1	1	GD05104140	100KΩ
RE11	1	1	1	1	1	GD05391140	390Ω
RE12	1	1	1	1	1	GD05391140	390Ω
RE13	1	1	1	1	1	GD05223140	22KΩ
RE14	1	1	1	1	1	GD05223140	22KΩ
RE15	1	1	1	1	1	GD05221140	220Ω
RE16	1	1	1	1	1	GD05221140	220Ω
RE17	1	1	1	1	1	GD05392140	3.9KΩ
RE18	1	1	1	1	1	GD05392140	3.9KΩ
RE19	1	1	1	1	1	GD05392140	3.9KΩ
RE20	1	1	1	1	1	GD05392140	3.9KΩ
RN01	1	1	1	1	1	GG05562120	5.6KΩ
RN02	1	1	1	1	1	GG05562120	5.6KΩ
RN03	1	1	1	1	1	GD05223140	22KΩ
RN04	1	1	1	1	1	GD05153140	15KΩ
RN05	1	1	1	1	1	GD05682140	5.6KΩ
RN06	1	1	1	1	1	GD05154140	150KΩ
RN07	1	1	1	1	1	GD05393140	39KΩ
RN08	1	1	1	1	1	GG05100140	10Ω
RN09	1	1	1	1	1	GD05333140	33KΩ
RS01	1	1	1	1	1	GA05331010	330Ω
RS02	1	1	1	1	1	GA05331010	330Ω

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
RT01	1	1	1	1	1	GD05272140	2.7KΩ
RT02	1	1	1	1	1	GD05272140	2.7KΩ
RT03	1	1	1	1	1	GD05273140	27KΩ
RT04	1	1	1	1	1	GD05273140	27KΩ
RT05	1	1	1	1	1	GD05822140	8.2KΩ
RT06	1	1	1	1	1	GD05822140	8.2KΩ
RT07	1	1	1	1	1	GD05182140	1.8KΩ
RT08	1	1	1	1	1	GD05182140	1.8KΩ
RT09	1	1	1	1	1	GD05224140	220KΩ
RT10	1	1	1	1	1	GD05224140	220KΩ
RT11	1	1	1	1	1	GD05274140	270KΩ
RT12	1	1	1	1	1	GD05274140	270KΩ
P700-SEMICONDUCTORS							
Q701	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q702	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q703	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q704	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q705	1	1	1	1	1	HT107501B0	Transistor 2SA750(E)
Q706	1	1	1	1	1	HT107501B0	Transistor 2SA750(E)
Q707	1	1	1	1	1	HT107501B0	Transistor 2SA750(E)
Q708	1	1	1	1	1	HT107501B0	Transistor 2SA750(E)
Q709	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q710	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q711	1	1	1	1	1	HT109701B0	Transistor 2SA970(BL)
Q712	1	1	1	1	1	HT109701B0	Transistor 2SA970(BL)
Q713	1	1	1	1	1	HT109701B0	Transistor 2SA970(BL)
Q714	1	1	1	1	1	HT109701B0	Transistor 2SA970(BL)
Q715	1	1	1	1	1	HT322292A0	Transistor 2SC229(O or Y)
Q716	1	1	1	1	1	HT322292A0	Transistor 2SC229(O or Y)
Q717	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q718	1	1	1	1	1	HT314001E0	Transistor 2SC1400(E)
Q719	1	1	1	1	1	HT328242A0	Transistor 2SC2824(O or Y)
Q720	1	1	1	1	1	HT328242A0	Transistor 2SC2824(O or Y)
Q721	1	1	1	1	1	HT111842A0	Transistor 2SA1184(O or Y)
Q722	1	1	1	1	1	HT111842A0	Transistor 2SA1184(O or Y)
Q723	1	1	1	1	1	HT326812A0	Transistor 2SC2681(O or R)
Q724	1	1	1	1	1	HT326812A0	Transistor 2SC2681(O or R)
Q725	1	1	1	1	1	HT111412A0	Transistor 2SA1141(O or R)
Q726	1	1	1	1	1	HT111412A0	Transistor 2SA1141(O or R)
Q727	1	1	1	1	1	HT309451P0	Transistor 2SC945(P)
Q728	1	1	1	1	1	HT309451P0	Transistor 2SC945(P)
Q729	1	1	1	1	1	HT107331P0	Transistor 2SA733(P)
Q730	1	1	1	1	1	HT107331P0	Transistor 2SA733(P)
Q731	1	1	1	1	1	HD20001210	Diode 1S2473C
Q732	1	1	1	1	1	HD20001210	Diode 1S2473C
Q733	1	1	1	1	1	HD20008210	Diode 1S2471F
Q734	1	1	1	1	1	HD20008210	Diode 1S2471F
Q735	1	1	1	1	1	HD20008210	Diode 1S2471F
Q736	1	1	1	1	1	HD20008210	Diode 1S2471F
Q737	1	1	1	1	1	HD20002210	Diode 1S2472
Q738	1	1	1	1	1	HD20002210	Diode 1S2472
Q739	1	1	1	1	1	HD20002210	Diode 1S2472
Q740	1	1	1	1	1	HD20002210	Diode 1S2472
Q741	1	1	1	1	1	HD20005010	Diode W06B
Q742	1	1	1	1	1	HD20005010	Diode W06B
Q743	1	1	1	1	1	HD20005010	Diode W06B
Q744	1	1	1	1	1	HD20005010	Diode W06B
Q745	1	1	1	1	1	HD20008210	Diode 1S2471
Q746	1	1	1	1	1	HD20008210	Diode 1S2471
Q747	1	1	1	1	1	HC10003090	IC 4558D
Q752	1	1	1	1	1	HV00010120	Varistor MV-11Y
Q753	1	1	1	1	1	HV00010120	Varistor MV-11Y

REF. DESIG.	Q'TY				PART NO.	DESCRIPTION
	U	C	N	A	P	
△ Q801	1	1	1	1	1	HD20011290 Diode S3V-20
△ Q802	1	1	1	1	1	HD20011290 Diode S3V-20
△ Q803	1	1	1	1	1	HD20011290 Diode S3V-20
△ Q804	1	1	1	1	1	HD20011290 Diode S3V-20
△ Q805	1	1	1	1	1	HD20015030 Diode DS-135
△ Q806	1	1	1	1	1	HD20015030 Diode DS-135
△ Q807	1	1	1	1	1	HD20015030 Diode DS-135
△ Q808	1	1	1	1	1	HD20015030 Diode DS-135
△ Q809	1	1	1	1	1	HD20015030 Diode DS-135
△ Q810	1	1	1	1	1	HD20015030 Diode DS-135
△ Q811	1	1	1	1	1	HT405712B0 Transistor 2SD571(L or K)
△ Q812	1	1	1	1	1	HT206052B0 Transistor 2SB605(L or K)
Q813	1	1	1	1	1	HT309451P0 Transistor 2SC945(P)
Q814	1	1	1	1	1	HT107331P0 Transistor 2SA733(P)
Q815	1	1	1	1	1	HT403132A0 Transistor 2SD313(E or D)
Q816	1	1	1	1	1	HT205072A0 Transistor 2SB507(E or D)
Q817	1	1	1	1	1	HD20008210 Diode 1S2471
Q818	1	1	1	1	1	HD30014010 Diode HZ16-A2L
QE01	1	1	1	1	1	HC10003090 IC 4558D
QE02	1	1	1	1	1	HC10003090 IC 4558D
QN01	1	1	1	1	1	HT309451P0 Transistor 2SC945(P)
QN02	1	1	1	1	1	HT411111A0 Transistor 2SD1111
QN03	1	1	1	1	1	HD20002210 Diode 1S2472
QN04	1	1	1	1	1	HD20002210 Diode 1S2472
P700-MISCELLANEOUS						
L701	1	1	1	1	1	LL23905120 Choke Coil
L702	1	1	1	1	1	LL23905120 Choke Coil
△ L801	1	1	1	1	1	LY20240190 Relay, DC24V
SS01	1	1	1	1	1	SP02020520 Push Switch, Speaker
ST01	1	1	1	1	1	SP02070010 Push Switch, Speaker
△ F801	1					FS10100500 Fuse 1A 250V
△ F801	1					FS10063800 Fuse 0.68A 250V
△ F801	1					FS10100900 Fuse 1A 250V
△ F801	1					FS10100600 Fuse 1A 250V
△ F802	1					FS10100500 Fuse 1A 250V
△ F802	1					FS10063800 Fuse 0.68A 250V
△ F802	1					FS10100900 Fuse 1A 250V
△ F802	1					FS10100600 Fuse 1A 250V
△ F803	1					FS10050500 Fuse 0.5A 250V
△ F803	1					FS10050800 Fuse 0.5A 250V
△ F803	1					FS10050900 Fuse 0.5A 250V
J801	1	6	6	6	6	YJ08000270 Jack, Fuse Clip
J806	1	6	6	6	6	YJ08000170 Jack, Fuse Clip
WF01	1	1	1	1	1	YU07080260 Jumper Lead
PE00-GRAFIC VOLUME CIRCUIT BOARD						
PE00	1	1	1	1	1	YK211H2310 P.W. Board, Graphic Volume
	1	1	1	1	1	ZZ211H2310 P.W. Board Assembly
PE00-RESISTORS						
RF01	1	1	1	1	1	RS05030360 50KΩ(W) x 2 Variable
RF02	1	1	1	1	1	RS05030360 50KΩ(W) x 2 Variable
RF03	1	1	1	1	1	RS05030360 50KΩ(W) x 2 Variable
RF04	1	1	1	1	1	RS05030360 50KΩ(W) x 2 Variable
RF05	1	1	1	1	1	RS05030360 50KΩ(W) x 2 Variable

REF. DESIG.	Q'TY				PART NO.	DESCRIPTION
	U	C	N	A	P	
PE01	1	1	1	1	1	YK211H2320 P.W. Board, Graphic Connection
PE01-GRAFIC CONNECTION CIRCUIT BOARD						
PE02	1	1	1	1	1	YK211H2330 P.W. Board, Graphic Transistor
	1	1	1	1	1	ZZ211H2330 P.W. Board Assembly
PE02-GRAFIC TRANSISTOR CIRCUIT BOARD						
CE31	1	1	1	1	1	EA22505030 Elect 2.2μF 50V
CE32	1	1	1	1	1	EA22505030 Elect 2.2μF 50V
CE33	1	1	1	1	1	EA47405030 Elect 0.47μF 50V
CE34	1	1	1	1	1	EA47405030 Elect 0.47μF 50V
CE35	1	1	1	1	1	DF17154300 Film 0.15μF ±20%
CE36	1	1	1	1	1	DF17154300 Film 0.15μF ±20%
CE37	1	1	1	1	1	DF17333300 Film 0.033μF ±20%
CE38	1	1	1	1	1	DF17333300 Film 0.033μF ±20%
CE39	1	1	1	1	1	DF17822300 Film 8200pF ±20%
CE40	1	1	1	1	1	DF17822300 Film 8200pF ±20%
CE41	1	1	1	1	1	EA10405030 Elect 0.1μF 50V
CE42	1	1	1	1	1	EA10405030 Elect 0.1μF 50V
CE43	1	1	1	1	1	DF17223300 Film 0.022μF ±20%
CE44	1	1	1	1	1	DF17223300 Film 0.022μF ±20%
CE45	1	1	1	1	1	DF17562300 Film 5600pF ±20%
CE46	1	1	1	1	1	DF17662300 Film 5600pF ±20%
CE47	1	1	1	1	1	DF17152300 Film 1500pF ±20%
CE48	1	1	1	1	1	DF17152300 Film 1500pF ±20%
CE49	1	1	1	1	1	DK16391300 Ceramic 390pF ±10%
CE50	1	1	1	1	1	DK16391300 Ceramic 390pF ±10%
PE02-RESISTORS (All Resistors are ±5% & 1W)						
RE31	1	1	1	1	1	GD05101140 100Ω
RE32	1	1	1	1	1	GD05101140 100Ω
RE33	1	1	1	1	1	GD05101140 100Ω
RE34	1	1	1	1	1	GD05101140 100Ω
RE35	1	1	1	1	1	GD05101140 100Ω
RE36	1	1	1	1	1	GD05101140 100Ω
RE37	1	1	1	1	1	GD05101140 100Ω
RE38	1	1	1	1	1	GD05101140 100Ω
RE39	1	1	1	1	1	GD05101140 100Ω
RE40	1	1	1	1	1	GD05101140 100Ω
RE41	1	1	1	1	1	GD05473140 47KΩ
RE42	1	1	1	1	1	GD05473140 47KΩ
RE43	1	1	1	1	1	GD05473140 47KΩ
RE44	1	1	1	1	1	GD05473140 47KΩ
RE45	1	1	1	1	1	GD05473140 47KΩ
RE46	1	1	1	1	1	GD05473140 47KΩ
RE47	1	1	1	1	1	GD05473140 47KΩ
RE48	1	1	1	1	1	GD05473140 47KΩ
RE49	1	1	1	1	1	GD05473140 47KΩ
RE50	1	1	1	1	1	GD05473140 47KΩ
RE51	1	1	1	1	1	GD05472140 4.7KΩ
RE52	1	1	1	1	1	GD05472140 4.7KΩ
RE53	1	1	1	1	1	GD05472140 4.7KΩ
RE54	1	1	1	1	1	GD05472140 4.7KΩ
RE55	1	1	1	1	1	GD05472140 4.7KΩ
RE56	1	1	1	1	1	GD05472140 4.7KΩ
RE57	1	1	1	1	1	GD05472140 4.7KΩ
RE58	1	1	1	1	1	GD05472140 4.7KΩ
RE59	1	1	1	1	1	GD05472140 4.7KΩ
RE60	1	1	1	1	1	GD05472140 4.7KΩ

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
RE61	1	1	1	1	1	GD05102140	1KΩ
RE62	1	1	1	1	1	GD05102140	1KΩ
RE63	1	1	1	1	1	GD05102140	1KΩ
RE64	1	1	1	1	1	GD05102140	1KΩ
RE65	1	1	1	1	1	GD05102140	1KΩ
RE66	1	1	1	1	1	GD05102140	1KΩ
RE67	1	1	1	1	1	GD05102140	1KΩ
RE68	1	1	1	1	1	GD05102140	1KΩ
RE69	1	1	1	1	1	GD05102140	1KΩ
RE70	1	1	1	1	1	GD05102140	1KΩ
PE02-SEMICONDUCTORS							
QE03	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE04	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE05	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE06	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE07	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE08	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE09	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE10	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE11	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
QE12	1	1	1	1	1	HT314002A0	Transistor 2SC1400(E or V)
PG00-VOLUME CIRCUIT BOARD							
PG00	1	1	1	1	1	YK211H3640	P.W. Board, Volume
	1	1	1	1	1	ZZ211H3640	P.W. Board Assembly
PG00-RESISTORS							
RG01	1	1	1	1	1	RM01040270	Variable, Volume
RG02	1	1	1	1	1	RK02040080	Variable, Balance
WG01	1	1	1	1	1	YU05260260	Jumper Lead
PO00-POWER SWITCH CIRCUIT BOARD							
PO00	1	1	1	1	1	YK211H3630	P.W. Board, Power Switch
	1	1			1	ZZ211H3630	P.W. Board Assembly
					1	ZZ211H6330	P.W. Board Assembly
G001	1	1				DK18103530	Ceramic Cap. 0.1µF 125V
G001		1	1			DK18103840	Ceramic Cap. 0.1µF 400V
G001			1			DK18103850	Ceramic Cap. 0.1µF 250V
S001	1					SP01010420	Push Switch, Power
S001	1		1			SP01010240	Push Switch, Power
S001		1	1			SP01010390	Push Switch, Power
S001			1			SP01010430	Push Switch, Power
PV01-TAPE IN/OUT CIRCUIT BOARD							
PV01	1	1	1	1	1	YK211H1220	P.W. Board, Tape In/Out
	1	1	1	1	1	ZZ211H1220	P.W. Board Assembly
JV01	1	1	1	1	1	YT02040260	Terminal, Tape 1
JV02	1	1	1	1	1	YT02040260	Terminal, Tape 2

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
PW01	1	1	1	1	1	YK211H3620	PW01-HEAD PHONE CIRCUIT BOARD
	1	1	1	1	1	ZZ211H3620	P.W. Board, Head Phone P.W. Board Assembly
JW01	1	1	1	1	1	YJ01001400	Jack, Head Phone
WW01	1	1	1	1	1	YU03240260	Jumper Lead
PW02-EQ OUT CIRCUIT BOARD							
PW02	1	1	1	1	1	YK211H3660	P.W. Board, EQ Out
	1	1	1	1	1	ZZ211H3660	P.W. Board Assembly
JW02	1	1	1	1	1	YJ01001400	Jack, EQ Out
PX01-LED LEVEL METER DRIVE CIRCUIT BOARD							
PX01	1	1	1	1	1	WN207H3210	P.W. Board, LED Level Meter Drive
	1	1	1	1	1	ZZ207H3210	P.W. Board Assembly
PX01-CAPACITORS							
CX01	1	1	1	1	1	EA33505030	Elect. 3.3µF 50V
CX02	1	1	1	1	1	EA33605030	Elect. 3.3µF 50V
CX03	1	1	1	1	1	EA10505030	Elect. 1µF 50V
CX04	1	1	1	1	1	EA10506030	Elect. 1µF 50V
CX05	1	1	1	1	1	DK18103320	Ceramic 0.01µF
CX06	1	1	1	1	1	DK18103320	Ceramic 0.01µF
PX01-RESISTORS (All Resistors are ±5% & %W)							
RX01	1	1	1	1	1	GD05103140	10KΩ
RX02	1	1	1	1	1	GD05103140	10KΩ
RX03	1	1	1	1	1	GD05104140	100KΩ
RX04	1	1	1	1	1	GD05104140	100KΩ
RX07	1	1	1	1	1	RA02030060	20KΩ, Trimming
RX08	1	1	1	1	1	RA02030060	20KΩ, Trimming
RX25	1	1	1	1	1	GD05563140	56KΩ
RX26	1	1	1	1	1	GD05563140	56KΩ
RX27	1	1	1	1	1	GD05333140	33KΩ
RX28	1	1	1	1	1	GD05333140	33KΩ
PX01-SEMICONDUCTORS							
QX01	1	1	1	1	1	HD30076090	Zener WZ038
QX02	1	1	1	1	1	HD30076090	Zener WZ038
QX03	1	1	1	1	1	HD20001210	Diode 1S2473
QX04	1	1	1	1	1	HD20001210	Diode 1S2473
QX05	1	1	1	1	1	HC10008370	IC TL489C
QX06	1	1	1	1	1	HC10008370	IC TL489C
QX07	1	1	1	1	1	HC10019020	IC AN6552
QX21	1	1	1	1	1	HD20001210	Diode 1S2473
QX22	1	1	1	1	1	HD20001210	Diode 1S2473
PX01-MISCELLANEOUS							
JX01	1	1	1	1	1	YJ07000750	Jack (4P)
JX02	1	1	1	1	1	YJ07000760	Jack (2P)
WX01	1	1	1	1	1	YU04140260	Jumper Lead
WX02	1	1	1	1	1	YU02180260	Jumper Lead

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		
PX02	1	1	1	1	1	WN207H3220	PX02-LED LEVEL METER CIRCUIT BOARD
	1	1	1	1	1	ZZ207H3220	P.W. Board, LED Level Meter P.W. Board Assembly
PX02-RESISTORS (All Resistors are $\pm 5\%$ & $\frac{1}{4}W$)							
RX10	1	1	1	1	1	GD05181140	180 Ω
RX11	1	1	1	1	1	GD05561140	560 Ω
RX12	1	1	1	1	1	GD05561140	560 Ω
RX13	1	1	1	1	1	GD05561140	560 Ω
RX14	1	1	1	1	1	GD05561140	560 Ω
RX15	1	1	1	1	1	GD05561140	560 Ω
RX16	1	1	1	1	1	GD05561140	560 Ω
RX17	1	1	1	1	1	GD05561140	560 Ω
RX18	1	1	1	1	1	GD05561140	560 Ω
RX19	1	1	1	1	1	GD05561140	560 Ω
RX20	1	1	1	1	1	GD05561140	560 Ω
PX02-SEMICONDUCTORS							
QX08	1	1	1	1	1	HI10006320	L.E.D. GL-9NG9, Green
QX09	1	1	1	1	1	HI10007320	L.E.D. GL-9PR9, Red
QX10	1	1	1	1	1	HI10007320	L.E.D. GL-9PR9, Red
QX11	1	1	1	1	1	HI10007320	L.E.D. GL-9PR9, Red
QX12	1	1	1	1	1	HI10007320	L.E.D. GL-9PR9, Red
QX13	1	1	1	1	1	HI10007320	L.E.D. GL-9PR9, Red
QX14	1	1	1	1	1	HI10007320	L.E.D. GL-9PR9, Red
QX15	1	1	1	1	1	HI10007320	L.E.D. GL-9PR9, Red
QX16	1	1	1	1	1	HI10007320	L.E.D. GL-9PR9, Red
QX17	1	1	1	1	1	HI10007320	L.E.D. GL-9PR9, Red
QX18	1	1	1	1	1	HI10007320	L.E.D. GL-9PR9, Red

REF. DESIG.	Q'TY					PART NO.	DESCRIPTION
	U	C	N	A	P		

(W01-99)	Assembly and Wiring
(T01-99)	Adjustment
(X01-00)	Correction

7. TECHNICAL SPECIFICATIONS

AUDIO SECTION

POWER OUTPUT, DIN, 4 OHM, PER CHANNEL	91W
POWER OUTPUT, RMS 1 kHz, 4 OHM, PER CHANNEL	90W
POWER OUTPUT, DIN, 8 OHM, PER CHANNEL	70W
POWER OUTPUT, RMS 1 kHz, 8 OHM, PER CHANNEL	65W
TOTAL HARMONIC DISTORTION AT RATED POWER OUTPUT	0.03%
I.M. DISTORTION AT RATED POWER OUTPUT (250 Hz AND 8 kHz MIXED, AMPLITUDE RATIO 4:1)	0.03%
DAMPING FACTOR 8 OHM	80

Frequency Response

Phono (RIAA)	±0.3 dB
Aux (±1 dB)	10 Hz ~ 50 kHz

Signal-to-Noise Ratio (IHF-A Network)

Phono (MM)	82 dB
Aux	95 dB

Input Terminals

Phono (MM):	Input Impedance	47 kohms
	Input Capacitance	220 pF
	Input Sensitivity	2.8 dB
(MC):	Input Sensitivity	280 µV
	Input Impedance	100 ohms
Aux:	Input Impedance	28 kohms
	Input Sensitivity	150 mV

Phono Equivalent Input Noise

Phono Dynamic Range (Ratio of input overload to equivalent input noise)	0.58 µV
Output Voltage, 1 kHz	110 dB

Output Voltage, 1 kHz

Tape Out	410 mV
Output Impedance, 1 kHz	
Tape Out	470 ohms

GENERAL

Power Requirements	220V AC, 50 Hz
(E and N versions are featuring external voltage selector.)	

Power Consumption at Rated Output, both Channels Driven	230W ± 20W
Idling Power	20W ± 5W

Semiconductor Complement

Transistors	47
Diodes	45
Integrated Circuits	8

Dimensions

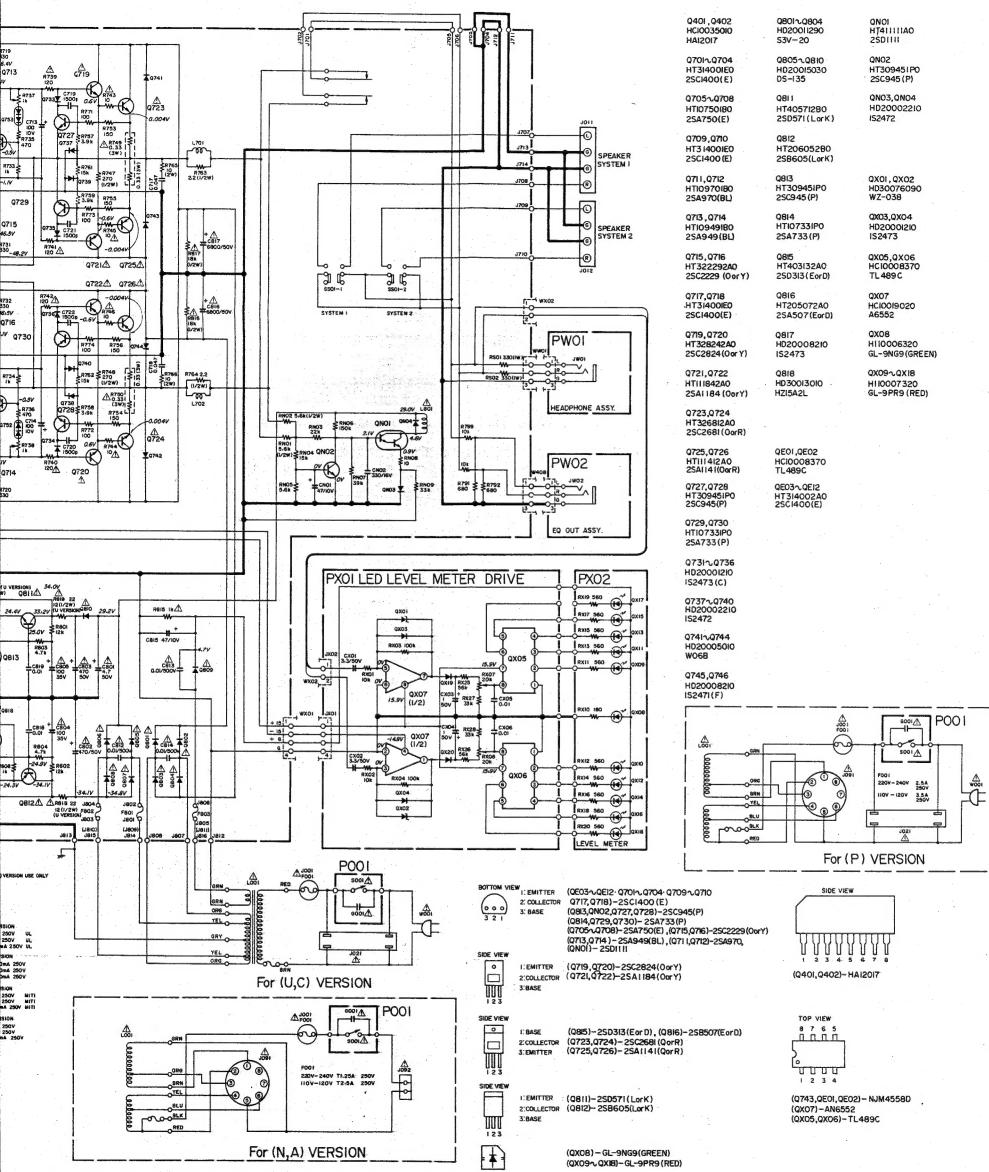
Panel Width	416 mm (16-3/8 inches)
Panel Height	117.5 mm (4-5/8 inches)
Depth	329 mm (12-15/16 inches)

Weight

Unit Alone	8 kg
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MEMORANDUM

Model PM550DC



HISTOLOGY OF THE TESTIS